Department of Commerce • National Oceanic & Atmospheric Administration • National Weather Service

***NATIONAL WEATHER SERVICE INSTRUCTION 10-501***
***March 17, 2005***
***Operations and Services***
***Public Weather Services, NWSPD 10-5***
***WFO STATEMENTS, SUMMARIES, TABLES PRODUCTS SPECIFICATION***

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**NOTICE:** This publication is available at: http://www.nws.noaa.gov/directives/.

**OPR:** W/OS22 (A. Thomas) **Certified by:** W/OS22 (D. Young)

**Type of Issuance:** Routine

***SUMMARY OF REVISIONS:*** This directive supersedes National Weather Service Instruction 10-501, "WFO Statements, Summaries, Tables Products Specification," dated March 25, 2004.

1. The Climatological Report (Daily) (Product Category CLI); the Climatological Report (Longer Term) (Product Category CLM); and the Preliminary Local Climatological Data, Form (F-6) have been transferred to NWSI 10-1004, Climate Records.
2. Allows the Public Information Statement (PNS) to be issued for all hydrometeorological events instead of just non-hazardous events.
3. Allows for the use of three-character FAA-approved alphanumeric identifiers in addition to the modernized three-letter WFO identifier in the AWIPS ID for the Public Information Statement (PNS) and Record Report (RER)
4. Allows RERs for non-LCD sites

signed 3 /03/05

Dennis H. McCarthy Date
Acting Director, Office of Climate,
Water, and Weather Services

1 **Introduction**. This procedural instruction describes narrative and tabular weather products issued by local Weather Forecast Offices (WFOs).

## 2. Public Information Statement (Product Category PNS).

2.1 Mission Connection . The Public Information Statement (PNS) is an alphanumeric message used to distribute information regarding hydrometeorological events; public education; National Weather Service (NWS) service changes, limitations or interruptions; and special guidelines for interpreting NWS data. The PNS is used by a wide variety of customers and partners such as the general public, emergency managers, and the media.

2.2 Issuance Guidelines .

2.2.1 Creation Software . Weather Forecast Offices (WFO) may use the AWIPS Watch, Warning and Advisory (WWA) program, the AWIPS text editor, or any other text editor to produce this product.

2.2.2 Issuance Criteria . The need for issuance of the PNS is determined by the issuing office.

2.2.3 Issuance Time . The PNS is a non-scheduled product issued when appropriate.

2.2.4 Valid Time . The PNS is valid through the effective date or time period.

2.2.5 Product Expiration Time . The PNS product expiration time may be up to 12 hours, depending upon product content.

2.2.6 Event Expiration Time . The PNS does not have an event expiration time.

2.3 Technical Description .

2.3.1 UGC Type . The PNS will use UGC Zone (Z) coding.

2.3.2 Mass News Disseminator Broadcast Instruction Line . There is no MND Broadcast Instruction Line for this product.

2.3.3 MND Product Type Line . The PNS does not have a mandatory MND product type line; "PUBLIC INFORMATION STATEMENT" or any other appropriate header may be used.

2.3.4 Content . The PNS may contain various weather or National Weather Service related information of public interest, as described in paragraph 2.1.

2.3.5 Format . The PNS is a free-form text product.

| Product Format | Description of Entry |
|---|---|
| NOaaii cccc ddhhmm | (WMO Heading) |
| PNSxxx | (AWIPS ID) |

stZ001-005>015-ddhhmm- (UGC:**Z** & Product expiration time)

PUBLIC INFORMATION STATEMENT (MND)
-or-
APPROPRIATE HEADER INFORMATION
NATIONAL WEATHER SERVICE city st (Issuing Office)
time am/pm time_zone day mon dd yyyy (Issuance time and date)

[TEXT]

$$

Name/Initials/Fcstr ID (Optional)

Note: The "xxx" in this product is either a modernized three-letter WFO identifier, a three-character FAA-approved alphanumeric identifier, or a two-letter state abbreviation followed by a "space".

2.4 Updates, Amendments, and Corrections . Modifications are made to the PNS as needed. The appropriate terms "UPDATED," or "CORRECTED," preceded by three dots (...) will be appended to the product identification line in the mass disseminator header. As an important aid to users, a brief (usually one line) reason for the update or correction should be added.

## 3. **Weather Summary (Product Category RWS).**

3.1 Mission Connection. The Weather Summary (RWS) provides a brief narrative for a sub-state region, an entire state, or a multi-state region of recent past weather (up to 24 hours in the past), present weather, and forecast conditions (up to 24 hours in the future, but may extend up to 72 hours). The emphasis should be on past and current weather. WFOs, in coordination with their local customers and Regional Headquarters, will determine the regional extent of this product and which WFOs will issue sub-state, state, or multi-state product(s).

3.2 Issuance Guidelines .

3.2.1 Creation Software . The RWS may be composed using the AWIPS text editor or any other text editor.

3.2.2 Issuance Criteria . The RWS is a routine product.

3.2.3 Issuance Time . The RWS should be issued at least twice daily based upon customer requirements, generally mid-morning and early to mid-evening.

3.2.4 Valid Time . The RWS is generally valid up to 24 hours from the product issuance time.

3.2.5 Product Expiration Time . The RWS product expiration time may be up to 12 hours after issuance time.

3.2.6 Event Expiration Time . The RWS does not have an event expiration time.

3.3 Technical Description .

3.3.1 UGC Type . The RWS will use UGC Zone (Z) coding. The RWS may have several summaries grouped geographically. If grouped summaries are used, each summary should include a UGC header assigned for the public forecast zones within that grouping. The partitioning should be determined by the WFO, with the concurrence of the Regional Headquarters.

3.3.2 MND Broadcast Instruction Line . The RWS does not contain an MND Broadcast Instruction Line.

3.3.3 MND Product Type Line . The RWS MND is "WEATHER SUMMARY FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" where "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" are replaced appropriately.

3.3.4 Content . The RWS may contain the entire range of meteorological variables, e.g., sky condition, weather, wind, temperature, snow depth, tides, water temperature, etc. Record and/or near-record temperatures, precipitation, heat, etc., should be mentioned. The synoptic features causing the weather may be mentioned but only in the very simplest, nontechnical terms.

3.3.5 Format . The RWS is a free-form text product.

| Product Format | Description of Entry |
|---|---|
| AWaai cccc ddhhmm | (WMO Heading) |
| RWSxxx | (AWIPS ID) |
| stZ001-005>015-ddhhmm- | (UGC:**Z** & Product expiration time) |
| WEATHER SUMMARY FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" | (MND) |
| NATIONAL WEATHER SERVICE city st | (Issuing Office) |
| time am/pm time_zone day mon dd yyyy | (Issuing time and date) |
| [TEXT} | |
| $$ | (UGC Delimiter) |
| Name/Initials/Fcstr ID | (Optional) |

Note: The "xxx" in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a "space".

3.4 Updates, Amendments, and Corrections . As needed, based upon customer needs.

## 4. **Weather Roundup (Product Category RWR)**.

4.1 Mission Connection . The Weather Roundup (RWR) provides routine, standardized hourly observations for a sub-state region, an entire state, or a multi-state region. Standardized observations are those that meet the criteria defined in National Weather Service Instruction (NWSI) 10-1302, Instrument Requirements and Standards for the NWS Surface Observing Programs (Land). WFOs, in coordination with their local customers and Regional Headquarters, will determine the regional extent of this product and which WFOs will issue sub-state, multi-state, or state products.

4.2 Issuance Guidelines .

4.2.1 Creation Software . The RWR can be automatically composed and transmitted by use of a standard applications program that decodes the surface aviation observations (RiverPro), or created by the AWIPS (or any other) text editor.

4.2.2 Issuance Criteria . The RWR is a routine product.

4.2.3 Issuance Time . The RWR should be issued at least hourly. Since some observations are available a few minutes before the hour, while others are not available until shortly after the hour, WFOs may run the application just before the hour for fast dissemination of early observations and again shortly after the hour when the rest of the observations are available.

4.2.4 Valid Time . The RWR is generally valid for 1 hour from the product issuance time.

4.2.5 Product Expiration Time . The RWR product expiration time is generally 1 hour after issuance time.

4.2.6 Event Expiration Time . The RWR does not have an event expiration time.

4.3 Technical Description .

4.3.1 UGC Type . Public Forecast Zones. Each RWR may have several groups of observations. Each group of observations should include a UGC header assigned for the public forecast zones within that grouping. The partitioning should be determined by the WFO, with the concurrence of the Regional Headquarters.

4.3.2 MND Broadcast Instruction Line . The RWR does not contain an MND Broadcast Instruction Line.

4.3.3 MND Product Type Line . The RWR MND is "WEATHER ROUNDUP FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" where "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" are replaced appropriately.

4.3.4 Content. The RWR may contain the entire range of meteorological variables, e.g., sky condition, weather, temperature, dew point, relative humidity, wind, atmospheric pressure, etc. In remarks, Wind Chill Index will be abbreviated "WCI" and Heat Index will be abbreviated "HX". Below zero values for temperature, dew point, and WCI will be preceded by a minus (-) sign. If the satellite cloud cover product is unavailable, reports from unaugmented ASOS stations will show "FAIR" for the sky/weather condition when there are few or no clouds (i.e., scattered or less) below 12,000 feet with no significant weather and/or obstructions to visibility. A note explaining the meaning of "FAIR" should appear after the MND header of all RWRs.

4.3.5 Format . The RWR is a tabular product.

| Product Format | Description of Entry |
|---|---|
| ASaa4i cccc ddhhmm | (WMO Heading) |
| RWRxxx | (AWIPS ID) |
| WEATHER ROUNDUP FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" | (MND) |
| NATIONAL WEATHER SERVICE city st | (Issuing Office) |
| time am/pm time_zone day mon dd yyyy | (Issuing time and date) |
| stZ001-005>015-ddhhmm- | (UGC:**Z** & Product expiration time) |
| [TEXT] | |
| $$ | (UGC Delimeter) |
| Name/Initials/Fcstr ID | (Optional) |

Note: The "xxx" in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a "space".

4.4 Updates, Amendments, and Corrections . As needed, based upon customer needs.

## 5. **Maximum/Minimum Temperature and Precipitation Table (Product Category RTP).**

5.1 Mission Connection . The Maximum/Minimum Temperature and Precipitation Table (RTP) provides the maximum/minimum temperatures and 24-hour precipitation totals from available reporting stations for a sub-state region, an entire state, or a multi-state region. Maximum/minimum temperature values should be for the previous 12 to 24 hours, as

appropriate (e.g., morning products should report the minimum temperature during the past 12 hours and the maximum temperature during the past 24 hours, while afternoon and evening products should report the maximum temperature in the past 12 hours and the minimum temperature in the past 24 hours). Available reporting stations are those that meet the criteria defined in National Weather Service Instruction (NWSI) 10-1302, Instrument Requirements and Standards for the NWS Surface Observing Programs (Land). WFOs, in coordination with their local customers and Regional Headquarters, will determine the regional extent of this product and which WFOs will issue sub-state, multi-state, or state product(s).

5.2 Issuance Guidelines .

5.2.1 Creation Software . The RTP can be automatically composed and transmitted by use of a standard applications program that decodes the surface aviation observations (RiverPro), or created by the AWIPS (or any other) text editor.

5.2.2 Issuance Criteria. The RTP is a routine product.

5.2.3 Issuance Time. The RTP should be issued at least twice daily; in the morning around 1230 hours UTC and in the afternoon/evening around 0030 hours UTC. Depending upon the time zone, WFOs may issue additional products to capture "calendar day" values as reports become available.

5.2.4 Valid Time . The RTP is generally valid up to 12 hours from the product issuance time.

5.2.5 Product Expiration Time . The RTP product expiration time may be up to 12 hours after issuance time.

5.2.6 Event Expiration Time . The RTP does not have an event expiration time.

5.3 Technical Description .

5.3.1 UGC Type . The RTP does not use UGC coding.

5.3.2 MND Broadcast Instruction Line . The RTP does not contain an MND Broadcast Instruction Line.

5.3.3 MND Product Type Line . The RTP MND is "MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" where "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" are replaced appropriately.

5.3.4 Content . Maximum and minimum temperatures (in degrees Fahrenheit) and 24-hour precipitation totals. Weather elements such as current weather and snow depth may be included, but any additional information should be kept to a minimum. WFOs may list the highest and lowest temperatures for their region or area at the bottom of the report. WFOs should clearly identify the valid time period for the reported data at the top of the text.

5.3.5 Format . The RTP is a tabular product.

| Product Format | Description of Entry |
|---|---|
| ASaa6i cccc ddhhmm | (WMO Heading) |
| RTPxxx | (AWIPS ID) |
| MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR "SUB-STATE REGION", "STATE", OR "MULTI-STATE REGION" | (MND) |
| NATIONAL WEATHER SERVICE city st | (Issuing Office) |
| time am/pm time_zone day mon dd yyyy | (Issuing time and date) |
| [TEXT] | |
| $$ | |
| Name/Initials/Fcstr ID | (Optional) |

Note: The "xxx" in this product is either a modernized three-letter WFO identifier or a two-letter state abbreviation followed by a "space".

5.4 Updates, Amendments, and Corrections . As needed, based upon customer needs.

## 6. **Record Event Report (Product Category RER)**.

6.1 Mission Connection . The Record Event Report (RER) contains meteorological and hydrological events that equal or exceed routine existing records. The RER will be used to report occurrences relating to both maxima and minima records.

6.2 Issuance Guidelines .

6.2.1 Creation Software . The RER is automatically composed whenever the CLIMATE program is run and an existing record value (which CLIMATE monitors) is met or exceeded. Alternatively, the RER may be composed using the AWIPS text editor or any other text editor.

6.2.2 Issuance Criteria . The RER is an event driven product.

6.2.3 Issuance Time . The RER will be issued on an as needed basis whenever an existing record value is met or exceeded.

6.2.4 Valid Time . The RER does not have a valid time.

6.2.5 Product Expiration Time . The RER does not have a product expiration time.

6.2.6 Event Expiration Time . The RER does not have an event expiration time.

6.3 Technical Description .

6.3.1 UGC Type . RERs do not use UGC coding.

6.3.2 MND Broadcast Instruction Line . The RER does not contain an MND Broadcast Instruction Line.

6.3.3 MND Product Type Line . The RER MND is "RECORD EVENT REPORT."

6.3.4 Content . The RER should be used to report record occurrences of the following meteorological or hydrological events, as data availability allows. Events identified with an "*" should be automatically identified by the AWIPS Climate program.

| Record Variable | For: |
|---|---|
| Temperature | |
| maximum | day*, month, season, all time |
| minimum | day*, month, season, all time |
| highest so early | spring |
| highest so late | fall |
| lowest so late | spring |
| lowest so early | fall |
| lowest maximum | day, month, season, all time |
| highest minimum | day, month, season, all time |
| Sea level pressure | |
| highest | all time |
| lowest | all time |
| Wind | |
| highest speed | all time |
| highest gust | all time |
| Largest hail size | all time |
| Most/least precipitation or snowfall | |
| within calendar day | day*, month, season, all time |
| within 24-hour period | month, season, all time |
| "storm" total | month, season, all time |
| Greatest snow depth | month, season, all time |
| Highest/lowest river stages | all time |

6.3.5 Format . The RER is a text product.

| Product Format | Description of Entry |
|---|---|
| SXaa7i cccc ddhhmm | (WMO Heading) |
| RERxxx | (AWIPS ID) |
| | |
| RECORD EVENT REPORT | (MND) |
| NATIONAL WEATHER SERVICE city st | (Issuing Office) |
| time am/pm time_zone day mon dd yyyy | (Issuing time and date) |
| | |
| [TEXT] | |
| | |
| $$ | |
| | |
| Name/Initials/Fcstr ID | (Optional) |

Note: The "xxx" in this product is either a modernized three-letter WFO identifier or a three-character FAA-approved alphanumeric identifier.

6.4 Updates, Amendments, and Corrections . As needed, based upon customer needs.

**APPENDIX A - WFO Statements, Summaries, Tables Product Examples**

Table of Contents: Page

1. Introduction. This section contains examples of WFO Statements, Summaries, and Tables.

2. Public Information Statement.

A.

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NOUS41 KPBZ 301026
PNSPBZ
MDZ001-OHZ039>041-048>050-057>059-068-069-PAZ007>009-013>016-020>023-
029>032-WVZ001>004-012-021>023-041-302223-

PUBLIC INFORMATION STATEMENT
SPOTTER REPORTS
NATIONAL WEATHER SERVICE PITTSBURGH PA
523 AM EST SUN JAN 30 2005

THE FOLLOWING ARE UNOFFICIAL OBSERVATIONS TAKEN DURING THE PAST 24
HOURS FOR THE STORM THAT HAS BEEN AFFECTING OUR REGION.
APPRECIATION IS EXTENDED TO HIGHWAY DEPARTMENTS...COOPERATIVE
OBSERVERS...SKYWARN SPOTTERS AND MEDIA FOR THESE REPORTS.  THIS
SUMMARY IS ALSO AVAILABLE ON OUR HOME PAGE AT WEATHER.GOV/PITTSBURGH

********************STORM TOTAL SNOWFALL********************

LOCATION          STORM TOTAL    TIME/DATE    COMMENTS
                     SNOWFALL       OF
                     (INCHES)   MEASUREMENT


MARYLAND

...GARRETT COUNTY...
   ACCIDENT               2.0   330 AM  1/30   1 IN SLEET.
   OAKLAND                2.0   330 AM  1/30   2 IN SLEET.

************************STORM TOTAL ICE************************

LOCATION          STORM TOTAL    TIME/DATE    COMMENTS
                         ICE       OF
                     (INCHES)   MEASUREMENT


MARYLAND

...GARRETT COUNTY...
   OAKLAND              0.50   330 AM  1/30   2 IN SLEET.
   REDHOUSE             0.50   330 AM  1/30
   ACCIDENT             0.30   330 AM  1/30   1 IN SLEET.

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B.

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NOUS44 KBMX 292155
PNSBMX
ALZ011>050-300300-

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE BIRMINGHAM AL
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500 PM CDT SAT JUN 29 2002

...LIGHTNING SAFETY RULES...

IF YOU ARE OUTSIDE...GET INTO A LARGE...ENCLOSED BUILDING. SUBSTANTIALLY CONSTRUCTED BUILDINGS TEND TO BE MUCH SAFER THAN SMALL OR OPEN STRUCTURES. ALTERNATELY...SEEK SHELTER IN A SEDAN-TYPE / NON-CONVERTIBLE / VEHICLE.

IN GENERAL...FULLY ENCLOSED...SEDAN-TYPE / NON-CONVERTIBLE / VEHICLES WITH THE WINDOWS ROLLED UP PROVIDE GOOD SHELTER FROM LIGHTNING. AVOID CONTACT WITH METAL INSIDE THE VEHICLE.

INSIDE A HOME...AVOID USING THE TELEPHONE EXCEPT FOR EMERGENCIES. ALSO...STAY AWAY FROM WINDOWS.

AVOID BEING IN OR NEAR HIGH PLACES AND OPEN FIELDS...ISOLATED TREES... UNPROTECTED GAZEBOS...RAIN OR PICNIC SHELTERS...BASEBALL DUGOUTS... TOWERS...FLAGPOLES...LIGHT POLES...BLEACHERS OF ANY TYPE...METAL FENCES...CONVERTIBLE VEHICLES...GOLF CARTS...MOTORCYCLES...SCOOTERS...RIDING LAWN MOWERS...OR WATER /OCEAN...LAKE...SWIMMING POOLS...RIVERS...PONDS ...ETC./.

MOVE AWAY FROM OPEN WATER OR FROM OPEN TRACTORS OR OTHER FARM EQUIPMENT.

STAY AWAY FROM WIRE FENCES...CLOTHESLINES...METAL PIPES...RAILS OR OTHER METALLIC PATHS WHICH COULD CARRY LIGHTNING FROM SOME DISTANCE AWAY.

IN A FOREST SEEK SHELTER IN A LOW AREA UNDER A THICK GROWTH OF SMALL TREES. IN OPEN AREAS...GO TO A LOW PLACE SUCH AS A RAVINE OR VALLEY. BE ALERT FOR FLASH FLOODS.

IF YOU FEEL YOUR HAIR STAND ON END...LIGHTNING MAY BE ABOUT TO STRIKE. STAY ON THE BALLS OF YOUR FEET BUT CROUCH DOWN AND MAKE AS LOW A TARGET OF YOURSELF AS POSSIBLE. DO NOT LIE FLAT ON THE GROUND.

REMEMBER...THERE IS NO TRUTH TO THE OLD MYTH THAT LIGHTNING NEVER STRIKES THE SAME PLACE TWICE.

PRACTICE THE 30/30 RULE. THE 30/30 RULE FOR LIGHTNING SAFETY COULD SAVE YOUR LIFE.

THE FIRST 30 MEANS THAT YOU NEED TO TAKE COVER IF YOU HEAR THUNDER WITHIN 30 SECONDS OF THE LIGHTNING FLASH. THEN WAIT AT LEAST 30 MINUTES AFTER THE LAST CLAP OF THUNDER IN ORDER TO RESUME NORMAL ACTIVITY - THE ALL CLEAR SIGNAL.

LIGHTNING RESEARCH HAS CONFIRMED THAT CONSECUTIVE LIGHTNING STRIKES CAN OCCUR AS MUCH AS SIX MILES APART. PEOPLE OFTEN DO NOT PERCEIVE LIGHTNING TO BE CLOSE IF IT IS TWO MILES OR MORE AWAY...BUT THE RISK OF THE NEXT STRIKE BEING AT YOUR LOCATION MAY ACTUALLY BE VERY HIGH. MANY LIGHTNING CASUALTIES OCCUR IN THE BEGINNING AS A THUNDERSTORM APROACHED...BECAUSE PEOPLE IGNORE THESE PRECURSORS. WHEN THUNDESTORMS ARE IN THE AREA BUT NOT OVERHEAD...THE LIGHTNING THREAT CAN EXIST EVEN IF IT IS SUNNY AT YOUR LOCATION.

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## 3.. Weather Summary

### A.

AWUS83 KOMA 201424

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RWSNE
NEZ001>093-210200-

WEATHER SUMMARY FOR NEBRASKA
NATIONAL WEATHER SERVICE OMAHA/VALLEY NE
924 AM CDT MON MAY 20 2002

SKIES REMAINED MOSTLY CLOUDY WEST OF AN AINSWORTH TO ORD TO SUPERIOR LINE
MONDAY MORNING.  EVEN A FEW SPRINKLES WERE INDICATED BY RADAR OVER SOUTH
CENTRAL AREAS.  SKIES WERE SUNNY ACROSS THE EAST...AND ALSO OVER PARTS OF THE
PANHANDLE.

TEMPERATURES AROUND THE STATE BY 9 AM CDT WERE IN THE UPPER 40S
AND 50S...RANGING FROM 46 DEGREES AT AINSWORTH UP TO 56 DEGREES
AT MCCOOK.  OVERNIGHT LOWS THROUGH 7 AM CDT WERE ABOVE FREEZING...
VARYING FROM 34 DEGREES AT AINSWORTH...COLUMBUS...AND ONEILL...
UP TO 50 DEGREES AT CHADRON...HASTINGS...HOLDREGE...LEXINGTON...
AND NORTH PLATTE.

WINDS THIS MORNING WERE EAST AT LESS THAN 15 MPH ACROSS THE
EAST...AND SOUTHEAST AT 10 TO 20 MPH WITH AREAS OF HIGHER GUSTS
OVER WESTERN NEBRASKA.

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KLEMM

B.

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AWUS81 KLWX 220852
RWSLWX
MDZ002>007-009>011-013-014-016>018-WVZ048>055-VAZ021-025>031-036>042-
050>057-DCZ001-221000-

WEATHER SUMMARY FOR MARYLAND WEST OF THE CHESAPEAKE BAY AND
EAST OF GARRETT COUNTY... THE DISTRICT OF COLUMBIA... NORTHERN
VIRGINIA... THE NORTHERN AND CENTRAL SHENANDOAH VALLEY AND THE
EASTERN PANHANDLE OF WEST VIRGINIA
NATIONAL WEATHER SERVICE BALTIMORE/WASHINGTON
500 AM EDT WED MAY 22 2002

SKIES WERE CLEAR ACROSS THE REGION EARLY THIS MORNING. EARLY MORNING
TEMPERATURES WERE IN THE 30S AND 40S.

HIGH PRESSURE WILL REMAIN OVER THE REGION TODAY. UNDER SUNNY SKIES
TEMPERATURES WILL CLIMB WELL INTO THE 70S.

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4. Weather Roundup.

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ASUS41 KWBC 171404
RWRVA

WEATHER ROUNDUP FOR VIRGINIA
NATIONAL WEATHER SERVICE BLACKSBURG VA
1000 AM EDT WED SEP 17 2003

NOTE: "FAIR" INDICATES FEW OR NO CLOUDS BELOW 12,000 FEET WITH
NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY. *=STATION
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THAT DOES NOT REPORT PRECIPITATION (E.G. RAIN,SNOW,ETC.), THUNDER
OR FOG.

VAZ042-051-052>054-056-171500-
IN NORTHERN VIRGINIA

CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
WASH NATIONAL  MOSUNNY   70  59  68 NE9        30.28R
WASH DULLES    SUNNY     67  56  67 N6         30.29R

&&

VAZ020-022-025-037-045-171500-
IN WESTERN VIRGINIA

CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
CHARLOTTESVILL SUNNY     67  56  67 CALM       30.26R
ROANOKE        SUNNY     63  54  72 N10        30.29R
LYNCHBURG      SUNNY     67  52  58 VRB6       30.27R
DANVILLE       SUNNY     68  55  63 NE12       30.24R
$$

VAZ071-094-095-098-099-171500-
IN SOUTHEASTERN VIRGINIA

CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
RICHMOND       MOSUNNY   70  61  73 N10        30.22R
NEWPORT NEWS   SUNNY     73  62  68 E15G25     30.17R
NORFOLK        MOSUNNY   75  64  68 E16G25     30.14S
WALLOPS ISLAND SUNNY     73  58  59 NE25G31    30.20R

$$
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B.

```
ASHW40 PHFO 171410
RWRHI

WEATHER ROUNDUP FOR HAWAIIAN ISLANDS
NATIONAL WEATHER SERVICE HONOLULU HI
400 AM HST WED SEP 17 2003

NOTE..."FAIR" INDICATES FEW OR NO CLOUDS BELOW 12,000 FEET
WITH NO SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

HIZ001-171500-
KAUAI-
CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
LIHUE          MOCLDY    77  70  79 NE9        29.97S
$$

HIZ002-171500-
OAHU-
CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
HONOLULU       PTCLDY    77  69  76 E6         29.95S
KALAELOA       CLEAR     73  67  81 NE3        29.96S
KANEOHE MCB    PTCLDY    78  70  76 E5         29.96F
$$

HIZ003-005-006-171500-
MAUI-MOLOKAI-LANAI-
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CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
KAHULUI        PTCLDY    75  65  70 NE14      29.95F HAZE
MOLOKAI AIRPT  CLEAR     74  68  81 NE9       29.96F
$$

HIZ004-007-008-171500-
NORTH AND EAST HAWAII-WEST HAWAII-SOUTH HAWAII-
CITY           SKY/WX    TMP DP  RH WIND       PRES   REMARKS
KAILUA KONA    CLOUDY    78  64  61 E7        29.92S
HILO           CLOUDY    72  66  81 S5        29.96S
$$
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5. Max/Min Temperature and Precipitation Table

A.

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ASUS61 KALY 061219
RTPNY

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR NEW YORK
NATIONAL WEATHER SERVICE ALBANY NY
717 AM EST THU NOV 06 2003

                 OVERNIGHT     YESTERDAYS     24 HOUR
                    LOW           HIGH      PRECIPITATION
STATION         12HRS - 7AM   24HRS - 7AM    ENDING 7AM

DUNKIRK NY          43            69            0.01
BUFFALO NY          39            68            0.01
NIAGARA FALLS NY    37            68               T
ROCHESTER NY        41            69            0.03
DANSVILLE NY        47            69            0.01
PENN YAN NY         43            65               T
ELMIRA NY           44            65            0.13
WATERTOWN NY        42            67            0.03
FULTON NY           44            66            0.12
SYRACUSE NY         45            66               T
BINGHAMTON NY       41            59            0.29
UTICA NY            43            56            0.06
MASSENA NY          39            66            0.32
SARANAC LAKE NY     35            56            0.13
GLENS FALLS NY      48            52            0.08
ALBANY NY           45            57            0.14
POUGHKEEPSIE NY     50            54            0.45
MONTGOMERY NY       51            55            0.49
LA GUARDIA AP NY    55            61            0.23
JFK AIRPORT NY      58            61            1.08
ISLIP NY            57            63            1.43

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B.

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ASUS61 KGYX 061223
RTPGYX

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR ME AND NH
NATIONAL WEATHER SERVICE GRAY ME
722 AM EST THU NOV 06 2003
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                        YDA    THIS AM   24HR PCPN
STATION                 MAX    MIN       ENDED THIS AM   SNOW DEPTH

MAINE...
AUGUSTA                 46      37            0.23
BANGOR                  47      37            0.20
BAR HARBOR              54      46            0.22
CARIBOU                 43      39            0.02
FRENCHVILLE             44      33            0.07
FRYEBURG                53      36            0.25
GRAY                    41      38            0.37
GREENVILLE              51      37
HOULTON                 47      40            0.15
LEWISTON                45      39
MILLINOCKET             49      39            0.29
PORTLAND                47      42            0.32
PRESQUE ISLE            43      41            0.08
ROCKLAND                52      45
RUMFORD                 41      28
SANFORD                 54      43
WATERVILLE              48      37            0.19
WISCASSET               50      41            0.44

NEW HAMPSHIRE...
BERLIN                  51      35            0.06
CONCORD                 50      42            0.33
JAFFREY                 52      44            0.22
KEENE                   45      41
LACONIA                 52      43            0.17
LEBANON                 47      36            0.14
MANCHESTER              49      41            0.29
MOUNT WASHINGTON        46      27            0.64
ROCHESTER               52      42
WHITEFIELD              49      37            0.08

THE PRECIPITATION SENSOR ON THE AUTOMATED OBSERVING EQUIPMENT
LOCATED AT MOST STATIONS DOES NOT PROVIDE ACCURATE WATER EQUIVALENTS
(24HR PCPN) FOR FREEZING AND FROZEN PRECIPITATION EVENTS.

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C.

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ASUS63 KLBF 061548
RTPLBF

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR NEBRASKA
NATIONAL WEATHER SERVICE NORTH PLATTE NE
933 AM CST THU NOV 06 2003

.BR LBF 1106 C DH00/TX/DH06/TAIRZP/PPDRZ/SF/SD
:
: WESTERN AND NORTH CENTRAL NEBRASKA - TEMPERATURE AND PRECIPITATION
: VALUES REPRESENT YESTERDAYS HIGHS... .LOW OVER THE LAST 12 HOURS
: AND PRECIPITATION OVER THE LAST 24 HOURS ENDING AT 6 AM CST
:
:       STATION NAME           MAX  / MIN  / 24-HOUR / SNOW  / SNOW
:                              TEMP / TEMP / PRECIP  / FALL  / DEPTH
:
```

```
LBF  :  NORTH PLATTE ARPT   :   33  /  25  /  0.00   /  0.0  /   0
VTN  :  VALENTINE ARPT      :   23  /   9  /     T   /    T  /   2
BBW  :  BROKEN BOW ARPT     :   28  /  23  /  0.00   /    M  /   M
IML  :  IMPERIAL ARPT       :   29  /  28  /     T   /    M  /   M
ANW  :  AINSWORTH ARPT      :   23  /  18  /     T   /    M  /   M
ONL  :  O'NEILL ARPT        :   23  /  13  /  0.04   /    M  /   M
OGA  :  OGALLALA ARPT       :   30  /  28  /     T   /    M  /   M
.END


.BR LBF 1106 C DH07/TX/TN/PP/SF/SD
:
: COOPERATIVE OBSERVATIONS
: VALUES ARE FOR THE PREVIOUS 24 HOURS ENDING AT 7 AM CST
:
ARNN1  :  ARNOLD            :   29  /  24  /  0.00   /    M  /   M
ARHN1  :  ARTHUR            :   29  /  19  /     T   /  1.0  /   1
CHMN1  :  CHAMBERS          :   24  /  18  /     T   /    M  /   M
ECSN1  :  ERICSON           :   26  /  21  /  0.00   /    M  /   M
HAYN1  :  HAYES CENTER      :   31  /  22  /     M   /    M  /   M
HYSN1  :  HAY SPRINGS       :   24  /   9  /     T   /    T  /   4
HYNN1  :  HYANNIS           :   26  /  14  /  0.00   /    M  /   M
MDDN1  :  MADRID            :   30  /  21  /  0.00   /    M  /   M
STAN1  :  STAPLETON         :   31  /  18  /     T   /    T  /   T
SWAN1  :  SWAN LAKE         :   26  /  18  /     T   /  1.0  /   1
WAUN1  :  WAUNETA           :   30  /  27  /     M   /    M  /   M
BUTN1  :  BUTTE             :   22  /  11  /  0.00   /  0.0  /   1
CTSN1  :  CURTIS            :   33  /  22  /     M   /    M  /   M
ENDN1  :  ENDERS            :   30  /  23  /  0.00   /    M  /   M
IMPN1  :  IMPERIAL          :   29  /  23  /     M   /    M  /   M
CABN1  :  MEDICINE CREEK DM :   35  /  20  /  0.00   /  0.0  /   0
OSKN1  :  OSHKOSH 10NE      :    M  /   M  /  0.01   /  0.2  /   0
KNGN1  :  KINGSLEY DAM      :    M  /   M  /     T   /    M  /   M
KIGN1  :  KILGORE           :   23  /   5  /     M   /    M  /   M
.END

$$
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6. Record Event Report.

A.

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SXUS71 KBOX 041340
RERBOX

RECORD EVENT REPORT
NATIONAL WEATHER SERVICE TAUNTON MA
940 AM EDT TUE JUN 4 2002

...RECORD HIGH TEMPERATURE SET AT BOSTON MA...

A RECORD HIGH TEMPERATURE OF 80 DEGREES WAS SET AT BOSTON TODAY. THIS BREAKS
THE OLD RECORD OF 75 DEGREES SET IN 1999.

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B.

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SXUS72 KJAX 220230
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RERJAX

RECORD EVENT REPORT
NATIONAL WEATHER SERVICE JACKSONVILLE FL
1030 PM EDT TUE MAY 21 2002

...RECORD LOW MAXIMUM TEMPERATURES TODAY /TUE 5/21/...

                        NEW RECORD  PREVIOUS RECORD

JACKSONVILLE FL /JAX/         75               76 IN 1919

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HESS
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C.

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SXUS75 KTFX 230725
RERTFX

RECORD EVENT REPORT
NATIONAL WEATHER SERVICE GREAT FALLS MT
125 AM MDT THU MAY 23 2002

...RECORD COOL MAXIMUM TEMPERATURES IN NORTH CENTRAL AND SOUTHWEST MONTANA...

LOCATION          NEW RECORD       OLD RECORD         YEAR SET
CUT BANK                33               43          1927
GREAT FALLS             40               43          1903
BELGRADE FIELD          40               49          1971

...RECORD PRECIPITATION IN NORTH CENTRAL AND SOUTHWEST MONTANA...

LOCATION          NEW RECORD  OLD RECORD  YEAR SET
BOZEMAN                 1.01             0.97        1981
HELENA                  0.96             0.86        1981

...RECORD SNOWFALL IN NORTH CENTRAL AND SOUTHWEST MONTANA...
LOCATION          NEW RECORD  OLD RECORD  YEAR SET
GREAT FALLS             1.4              T           1993

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